RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/588,234_

Source: _IFWP_

Date Processed by STIC: _08/11/2006_

ENTERED

RAW SEQUENCE LISTING   DATE: 08/11/2006
PATENT APPLICATION: US/10/588,234   TIME: 11:40:25

Input Set : A:\004974.01210 sequence listing.txt
Output Set: N:\CRF4\08112006\J588234.raw

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   3 <110> APPLICANT: Bayer HealthCare AG
   5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Plasma
   6       Kallikrein (KLKB1)
   8 <130> FILE REFERENCE: 004974.01210
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/588,234
C--> 10 <141> CURRENT FILING DATE: 2006-08-03
  10 <160> NUMBER OF SEQ ID NOS: 5
  12 <170> SOFTWARE: PatentIn version 3.2
  14 <210> SEQ ID NO: 1
  15 <211> LENGTH: 2245
  16 <212> TYPE: DNA
  17 <213> ORGANISM: Homo sapiens
  19 <400> SEQUENCE: 1
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  21 gtgttttcag aatgatttta ttcaagcaag caacttattt catttccttg tttgctacag    120
  22 tttcctgtgg atgtctgact caactctatg aaaacgcctt cttcagaggt ggggatgtag    180
  23 cttccatgta caccccaaat gcccaatact gccagatgag gtgcacattc cacccaaggt    240
  24 gtttgctatt cagttttctt ccagcaagtt caatcaatga catggagaaa aggtttggtt    300
  25 gcttcttgaa agatagtgtt acaggaaccc tgccaaaagt acatcgaaca ggtgcagttt    360
  26 ctggacattc cttgaagcaa tgtggtcatc aaataagtgc ttgccatcga gacatttata    420
  27 aaggagttga tatgagagga gtcaatttta atgtgtctaa ggttagcagt gttgaagaat    480
  28 gccaaaaaag gtgcaccaat aacattcgct gccagttttt ttcatatgcc acgcaaacat    540
  29 ttcacaaggc agagtaccgg aacaattgcc tattaaagta cagtcccgga ggaacaccta    600
  30 ccgctataaa ggtgctgagt aacgtggaat ctggattctc actgaagccc tgtgcccttt    660
  31 cagaaattgg ttgccacatg aacatcttcc agcatcttgc gttctcagat gtggatgttg    720
  32 ccagggttct cactccagat gctttgtgt gtcggaccat ctgcacctat caccccaact    780
  33 gcctcttctt tacattctat acaaatgtat ggaaaatcga gtcacaaaga aatgtttgtc    840
  34 ttcttaaaac atctgaaagt ggcacaccaa gttcctctac tcctcaagaa aacaccatat    900
  35 ctggatatag ccttttaacc tgcaaaagaa ctttacctga accctgccat tctaaaattt    960
  36 acccgggagt tgactttgga ggagaagaat tgaatgtgac ttttgttaaa ggagtgaatg   1020
  37 tttgccaaga gacttgcaca aagatgattc gctgtcagtt tttcacttat tctttactcc   1080
  38 cagaagactg taaggaagag aagtgtaagt gtttcttaag attatctatg gatggttctc   1140
  39 caactaggat tgcgtatggg acacaaggga gctctggtta ctctttgaga ttgtgtaaca   1200
  40 ctggggacaa ctctgtctgc acaacaaaaa caagcacacg cattgttgga ggaacaaact   1260
  41 cttcttgggg agagtggccc tggcaggtga gcctgcaggt gaagctgaca gctcagaggc   1320
  42 acctgtgtgg agggtcactc ataggacacc agtgggtcct cactgctgcc cactgctttg   1380
  43 atgggcttcc cctgcaggat gtttggcgca tctatagtgg cattttaaat ctgtcagaca   1440
  44 ttacaaaaga tacacctttc tcacaaataa aagagattat tattcaccaa aactataaag   1500
  45 tctcagaagg gaatcatgat atcgccttga taaaactcca ggctcctttg aattacactg   1560
  46 aattccaaaa accaatatgc ctaccttcca aaggtgacac aagcacaatt tataccaact   1620
  47 gttgggtaac cggatggggc ttctcgaagg agaaaggtga aatccaaaat attctacaaa   1680
  48 aggtaaatat tccttttggta acaaatgaag aatgccagaa aagatatcaa gattataaaa   1740
  49 taacccaacg gatggtctgt gctggctata aagaaggggg aaaagatgct tgtaagggag   1800
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51 gctggggtga aggctgtgcc cgcagggagc aacctggtgt ctacaccaaa gtcgctgagt    1920
52 acatggactg gattttagag aaaacacaga gcagtgatgg aaaagctcag atgcagtcac    1980
53 cagcatgaga agcagtccag agtctaggca attttacaa cctgagttca agtcaaattc      2040
54 tgagcctggg gggtcctcat ctgcaaagca tggagagtgg catcttcttt gcatcctaag    2100
55 gacgaaagac acagtgcact cagagctgct gaggacaatg tctgctgaag cccgctttca    2160
56 gcacgccgta accaggggct gacaatgcga ggtcgcaact gagatctcca tgactgtgtg    2220
57 ttgtgaaata aaatggtgaa agatc                                          2245
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 638
61 <212> TYPE: PRT
62 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 2
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66 1               5                   10                  15
67 Val Ser Cys Gly Cys Leu Thr Gln Leu Tyr Glu Asn Ala Phe Phe Arg
68             20                  25                  30
69 Gly Gly Asp Val Ala Ser Met Tyr Thr Pro Asn Ala Gln Tyr Cys Gln
70             35                  40                  45
71 Met Arg Cys Thr Phe His Pro Arg Cys Leu Leu Phe Ser Phe Leu Pro
72     50                  55                  60
73 Ala Ser Ser Ile Asn Asp Met Glu Lys Arg Phe Gly Cys Phe Leu Lys
74 65                  70                  75                  80
75 Asp Ser Val Thr Gly Thr Leu Pro Lys Val His Arg Thr Gly Ala Val
76             85                  90                  95
77 Ser Gly His Ser Leu Lys Gln Cys Gly His Gln Ile Ser Ala Cys His
78             100                 105                 110
79 Arg Asp Ile Tyr Lys Gly Val Asp Met Arg Gly Val Asn Phe Asn Val
80             115                 120                 125
81 Ser Lys Val Ser Ser Val Glu Glu Cys Gln Lys Arg Cys Thr Asn Asn
82     130                 135                 140
83 Ile Arg Cys Gln Phe Phe Ser Tyr Ala Thr Gln Thr Phe His Lys Ala
84 145                 150                 155                 160
85 Glu Tyr Arg Asn Asn Cys Leu Leu Lys Tyr Ser Pro Gly Gly Thr Pro
86             165                 170                 175
87 Thr Ala Ile Lys Val Leu Ser Asn Val Glu Ser Gly Phe Ser Leu Lys
88             180                 185                 190
89 Pro Cys Ala Leu Ser Glu Ile Gly Cys His Met Asn Ile Phe Gln His
90     195                 200                 205
91 Leu Ala Phe Ser Asp Val Asp Val Ala Arg Val Leu Thr Pro Asp Ala
92     210                 215                 220
93 Phe Val Cys Arg Thr Ile Cys Thr Tyr His Pro Asn Cys Leu Phe Phe
94 225                 230                 235                 240
95 Thr Phe Tyr Thr Asn Val Trp Lys Ile Glu Ser Gln Arg Asn Val Cys
96             245                 250                 255
97 Leu Leu Lys Thr Ser Glu Ser Gly Thr Pro Ser Ser Ser Thr Pro Gln
98             260                 265                 270
99 Glu Asn Thr Ile Ser Gly Tyr Ser Leu Leu Thr Cys Lys Arg Thr Leu
100             275                 280                 285
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Input Set : A:\004974.01210 sequence listing.txt
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101 Pro Glu Pro Cys His Ser Lys Ile Tyr Pro Gly Val Asp Phe Gly Gly
102     290             295             300
103 Glu Glu Leu Asn Val Thr Phe Val Lys Gly Val Asn Val Cys Gln Glu
104 305             310             315             320
105 Thr Cys Thr Lys Met Ile Arg Cys Gln Phe Phe Thr Tyr Ser Leu Leu
106             325             330             335
107 Pro Glu Asp Cys Lys Glu Glu Lys Cys Lys Cys Phe Leu Arg Leu Ser
108             340             345             350
109 Met Asp Gly Ser Pro Thr Arg Ile Ala Tyr Gly Thr Gln Gly Ser Ser
110         355             360             365
111 Gly Tyr Ser Leu Arg Leu Cys Asn Thr Gly Asp Asn Ser Val Cys Thr
112     370             375             380
113 Thr Lys Thr Ser Thr Arg Ile Val Gly Gly Thr Asn Ser Ser Trp Gly
114 385             390             395             400
115 Glu Trp Pro Trp Gln Val Ser Leu Gln Val Lys Leu Thr Ala Gln Arg
116             405             410             415
117 His Leu Cys Gly Gly Ser Leu Ile Gly His Gln Trp Val Leu Thr Ala
118         420             425             430
119 Ala His Cys Phe Asp Gly Leu Pro Leu Gln Asp Val Trp Arg Ile Tyr
120         435             440             445
121 Ser Gly Ile Leu Asn Leu Ser Asp Ile Thr Lys Asp Thr Pro Phe Ser
122     450             455             460
123 Gln Ile Lys Glu Ile Ile Ile His Gln Asn Tyr Lys Val Ser Glu Gly
124 465             470             475             480
125 Asn His Asp Ile Ala Leu Ile Lys Leu Gln Ala Pro Leu Asn Tyr Thr
126         485             490             495
127 Glu Phe Gln Lys Pro Ile Cys Leu Pro Ser Lys Gly Asp Thr Ser Thr
128         500             505             510
129 Ile Tyr Thr Asn Cys Trp Val Thr Gly Trp Gly Phe Ser Lys Glu Lys
130         515             520             525
131 Gly Glu Ile Gln Asn Ile Leu Gln Lys Val Asn Ile Pro Leu Val Thr
132     530             535             540
133 Asn Glu Glu Cys Gln Lys Arg Tyr Gln Asp Tyr Lys Ile Thr Gln Arg
134 545             550             555             560
135 Met Val Cys Ala Gly Tyr Lys Glu Gly Gly Lys Asp Ala Cys Lys Gly
136             565             570             575
137 Asp Ser Gly Gly Pro Leu Val Cys Lys His Asn Gly Met Trp Arg Leu
138         580             585             590
139 Val Gly Ile Thr Ser Trp Gly Glu Gly Cys Ala Arg Arg Glu Gln Pro
140         595             600             605
141 Gly Val Tyr Thr Lys Val Ala Glu Tyr Met Asp Trp Ile Leu Glu Lys
142     610             615             620
143 Thr Gln Ser Ser Asp Gly Lys Ala Gln Met Gln Ser Pro Ala
144 625             630             635
146 <210> SEQ ID NO: 3
147 <211> LENGTH: 20
148 <212> TYPE: DNA
149 <213> ORGANISM: artificial sequence
151 <220> FEATURE:
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152 <223> OTHER INFORMATION: forward primer
154 <400> SEQUENCE: 3
155 ccctttcaga aattggttgc                                    20
157 <210> SEQ ID NO: 4
158 <211> LENGTH: 20
159 <212> TYPE: DNA
160 <213> ORGANISM: artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: reverse primer
165 <400> SEQUENCE: 4
166 tggcaacatc cacatctgag                                    20
168 <210> SEQ ID NO: 5
169 <211> LENGTH: 25
170 <212> TYPE: DNA
171 <213> ORGANISM: artificial sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: probe
176 <400> SEQUENCE: 5
177 catgaacatc ttccagcatc ttgcg                              25
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VERIFICATION SUMMARY   DATE: 08/11/2006
PATENT APPLICATION: **US/10/588,234**   TIME: 11:40:26

Input Set : **A:\004974.01210 sequence listing.txt**
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date